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(54) **ALKALINE BATTERY**

(57) The present invention provides an alkaline battery suitable for use as a primary or secondary battery as a power source of electronic appliances. The battery is excellent in discharge characteristics under a heavy load and in cycle characteristics.

The alkaline battery (100) comprises a cathode mix (3) containing  $\beta$ -nickel oxy-hydroxide, an anode mix (5) containing zinc as a main component of anode active material, and an alkali solution as an electrolyte, wherein the cathode mix (3) includes a mixture of  $\beta$ -nickel oxy-hydroxide, graphite powder, and a potassium hydroxide solution in a given weight ratio. The  $\beta$ -nickel oxy-hydroxide is prepared by chemical oxidation and has an approximately spherical shape of particle with a mean particle size in the range of 5 to 50  $\mu\text{m}$ .

**FIG. 3**

